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ABSTRACT

Statistical data and some descriptive analysis on persistence/attrition for various ethnic groups entering Michigan State University are presented. Data for students entering the university from fall 1973 to fall 1978 show that at the end of summer 1979: (1) Chicanos had the highest noncompletion rate; (2) although Whites have the highest completion rates in most years, American Indians and other Hispanics have similar rates in several of those years; (3) Asians and Blacks comprise the middle group, with similar rates in several years; and (4) the spread of attrition rates, with the exception of the rate for Chicanos, is relatively narrow (approximately 8-9 percent). Separate data are provided by ethnic group for first-time freshmen, transfers from Michigan community colleges, and transfers from other community colleges. Data are also broken down by numbers who graduated, numbers in good standing, those in academic difficulty, or not enrolled at the end of summer 1979. (SW)

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SUMMER 1980 REPORT OF
PERSISTENCE-ATTRITION
OF MEMBERS OF ETHNIC GROUPS

OFFICE OF INSTITUTIONAL RESEARCH

W. Rosenthal
17 September 1980

AE 013 101

REPORT OF PERSISTENCE-ATTRITION OF ETHNIC GROUPS

The Office of Institutional Research has developed the capability to do improved studies of persistence (see Appendix A). Persistence-attrition data for the various ethnic groups are presented for all years beginning with 1973 through the entering class of Fall, 1978.

1973 Entering Class

The analysis begins with the entering class of 1973 (see Table 1). These students have had seven years in which to graduate. Please note that in all the tables the group listed as White includes those who classified themselves in the "White" category plus those who did not respond to the ethnic/minority inquiry. (An alternative would have been to apportion those who did not answer according to the percentages of ethnic groups accounted for by students who had identified themselves. A test of this method for a single year showed that the differences between the two approaches were negligible.)

Table 1 is a summary of the percentage lines from Table 1a. These percentage lines include all students, including first time freshmen, Michigan community college transfers, and other transfers, who graduated, were in good standing, were in academic difficulty, or were not enrolled as of the end of Summer 1979.

Members of the White group have the highest graduation rate, i.e., 63.8% had graduated by the end of Summer 1979.

Table 1 (Entering Class of 1973) shows that dropout rates vary among ethnic groups:

1. Chicanos have the highest noncompletion rate (58%);
2. Asian Americans and Blacks comprise the middle group (41.5% and 41.4%, respectively); and
3. The dropout rates for American Indians, Hispanics, and Whites are similar (36.4%, 33.3%, 33.4%).

Table 1
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

COMPARISON OF PERSISTENCE-ATTRITION PERCENTAGES
ENTERING CLASS OF 1973
as of End of Summer 1979

	<u>Graduated</u>	<u>Still Enrolled</u>		<u>Not Enrolled</u>	<u>Total</u>
		<u>Good Standing*</u>	<u>Academic Diff.**</u>		
All Groups	63.1	2.7	.3	33.9	100.0
American Indian	54.5	4.5	4.5	36.4	100.0
Asian American	50.9	3.8	3.8	41.5	100.0
Black	53.5	3.7	1.4	41.4	100.0
Chicano	42.0	0.0	0.0	58.0	100.0
Hispanic	55.6	7.4	3.7	33.3	100.0
White	63.8	2.6	.2	33.4	100.0

*MSU GPA = 2.0 or above

**MSU GPA = Below 2.0

("A cumulative grade-point average of 2.0 is required for graduation from the University for bachelor's degrees;" MSU Bulletin, Vol. 7, #3, p. 73)

Table 1a
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

PERSISTENCE-ATTRITION STUDY
ENTERING CLASS OF 1973

	Graduated	Still Enrolled		Not Enrolled	Total
		Good Standing	Academic Diff.		
<u>All Groups</u>					
First Time Freshmen	4,150	227	31	2,365	6,773
Mich. Comm. College Transfers	684	2	0	217	903
Other Transfers	<u>1,322</u>	<u>34</u>	<u>4</u>	<u>726</u>	<u>2,086</u>
Total	6,156	263	35	3,308	9,762
Percent	63.1%	2.7%	.3%	33.9%	100.0%
<u>American Indian</u>					
First Time Freshmen	4	1	1	7	13
Mich. Comm. College Transfers	2	0	0	0	2
Other Transfers	<u>6</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>7</u>
Total	12	1	1	8	22
Percent	54.5%	4.5%	4.5%	36.4%	100.0%
<u>Asian American</u>					
First Time Freshmen	16	2	2	17	37
Mich. Comm. College Transfers	3	0	0	0	3
Other Transfers	<u>8</u>	<u>0</u>	<u>0</u>	<u>5</u>	<u>13</u>
Total	27	2	2	22	53
Percent	50.9%	3.8%	3.8%	42.5%	100.0%
<u>Black</u>					
First Time Freshmen	192	16	7	155	370
Mich. Comm. College Transfers	16	0	0	9	25
Other Transfers	<u>50</u>	<u>2</u>	<u>0</u>	<u>36</u>	<u>88</u>
Total	258	18	7	200	483
Percent	53.5%	3.7%	1.4%	41.4%	100.0%
<u>Chicano</u>					
First Time Freshmen	8	0	0	11	19
Mich. Comm. College Transfers	3	0	0	4	7
Other Transfers	<u>5</u>	<u>0</u>	<u>0</u>	<u>7</u>	<u>12</u>
Total	16	0	0	22	38
Percent	42.0%	0.0	0.0	58.0%	100.0%
<u>Hispanic</u>					
First Time Freshmen	8	0	1	7	16
Mich. Comm. College Transfers	1	0	0	0	1
Other Transfers	<u>6</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>10</u>
Total	15	2	1	9	27
Percent	55.6%	7.4%	3.7%	33.3%	100.0%
<u>White</u>					
First Time Freshmen	3,922	208	20	2,168	6,318
Mich. Comm. College Transfers	659	2	0	204	865
Other Transfers	<u>1,247</u>	<u>30</u>	<u>4</u>	<u>675</u>	<u>1,956</u>
Total	5,828	240	24	3,047	9,139
Percent	33.8%	2.6%	.2%	33.4%	100.0%

Table 1b
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

PERCENTAGE OF STUDENTS GRADUATED OR STILL ENROLLED SIX YEARS LATER
(Entering Class of 1973 as of End of Summer 1979)

American Indian	63.5%
Asian American	58.5
Black	58.6
Chicano	42.0
Hispanic	66.7
White	66.6

For all of the groups but Chicano, the total percentages of students graduated plus students still enrolled (persistence) range between 58.5% and 66.7% (Table 1b). Minority students do not graduate as quickly and, consequently, if they persist, they remain at MSU longer than do Whites.

1975 Entering Class

The entering class of 1975 is the most recent class from which first time freshmen could have graduated at the time data used in this study were available for analysis.

Table 2 is a summary of percentage lines from Table 2a. Conclusions are as follows:

1. Chicanos and Hispanics have the largest percentages not enrolled (52.5% and 52.4%, respectively);
2. Blacks, Asian Americans, and American Indians comprise the middle group (42.2%, 38.5% and 46.4%, respectively);
3. Whites have the smallest number not enrolled (30.4%);
4. Asian Americans have the largest percentage of students who graduate within four years; American Indians have the smallest percentage;
5. Save for the rate for Hispanics, the "not enrolled" percentages for 1973 and 1977 are similar. The conclusion appears to be that those who will drop out will do so early.

Table 3a displays the retention-attrition information for the class entering Fall, 1977. This series of tables shows the number of students entered in Fall of 1977 who returned some time during the following academic year (1978-79).

Table 3 displays percentage lines from 3a and suggests that Black and Chicano dropout occurs almost completely within the first year. Ten percent more Blacks

Table 2
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

COMPARISON OF PERSISTENCE-ATTRITION PERCENTAGES
ENTERING CLASS OF 1975

	<u>Graduated</u>	<u>Still Enrolled</u>		<u>Not Enrolled</u>	<u>Total</u>
		<u>Good Standing</u>	<u>Academic Diff.</u>		
All Groups	36.5	30.7	1.5	31.3	100.0
American Indian	10.8	42.8	0.0	46.4	100.0
Asian American	38.5	21.0	2.0	38.5	100.0
Black	15.0	35.6	7.2	42.2	100.0
Chicano	27.5	20.0	0.0	52.5	100.0
Hispanic	19.0	28.6	0.0	52.4	100.0
White	37.9	30.5	1.2	30.4	100.0

Table 2a
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
ENTERING CLASS OF 1975

	Still Enrolled		Not Enrolled	Total
	Graduated	Good Standing Academic Diff.		
<u>All Groups</u>				
First Time Freshmen	1,857	2,820	121	2,282
Mich. Comm. College				
Transfers	625	37	5	204
Other Transfers	<u>1,039</u>	<u>102</u>	<u>15</u>	<u>532</u>
Total	3,521	2,959	141	9,639
Percent	36.5%	30.7%	1.5%	31.3%
<u>American Indian</u>				
First Time Freshmen	1	10	0	10
Mich. Comm. College				
Transfers	1	2	0	3
Other Transfers	<u>1</u>	<u>0</u>	<u>0</u>	<u>3</u>
Total	3	12	0	13
Percent	10.8%	42.8%	0.0%	46.4%
<u>Asian American</u>				
First Time Freshmen	9	10	1	14
Mich. Comm. College				
Transfers	2	0	0	1
Other Transfers	<u>9</u>	<u>1</u>	<u>0</u>	<u>5</u>
Total	20	11	1	20
Percent	38.5%	21.0%	2.0%	38.5%
<u>Black</u>				
First Time Freshmen	45	180	35	183
Mich. Comm. College				
Transfers	10	2	1	11
Other Transfers	<u>23</u>	<u>2</u>	<u>1</u>	<u>24</u>
Total	78	184	37	218
Percent	16.0%	35.6%	7.2%	42.2%
<u>Chicano</u>				
First Time Freshmen	4	8	0	16
Mich. Comm. College				
Transfers	2	0	0	0
Other Transfers	<u>5</u>	<u>0</u>	<u>0</u>	<u>5</u>
Total	11	8	0	21
Percent	27.5%	20.0%	0.0%	52.5%
<u>Hispanic</u>				
First Time Freshmen	1	5	0	7
Mich. Comm. College				
Transfers	0	1	0	1
Other Transfers	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
Total	4	6	0	11
Percent	19.0%	28.6%	0.0%	52.4%
<u>Whites</u>				
First Time Freshmen	1,797	2,609	85	2,052
Mich. Comm. College				
Transfers	610	32	4	191
Other Transfers	<u>998</u>	<u>99</u>	<u>14</u>	<u>492</u>
Total	3,405	2,740	103	2,735
Percent	37.0%	30.5%	1.2%	30.4%

than Whites dropped out prior to the end of the second year. That is a figure comparable to the difference in dropout rates between Blacks and Whites for the class of 1973 six years later and the class of 1975 four years later.

The overall (first time freshmen and both categories of transfers) first year dropout rate ranges from 20% (White) to 28.5% (Black) with the notable exception of the 48.1% dropout rate for Chicanos.

Table 3b shows the percentages of Fall 1977 first time freshmen (from Table 3a) who returned the following year.

Table 4 compares attrition rates (percentages) for first time freshmen and the two transfer categories for each of the three selected years. Table 4 shows first time freshmen to be the most persistent through the second year and Michigan community college transfer to be the most persistent at or near time of graduation.

Tables 5 and 6 present comparison information from other institutions.

Table 7 shows fall to spring enrollment change for the 1978-79 and 1979-80 academic years.

Table 8 shows fall term enrollments and (8b) changes in enrollment by minority group.

Table 9 displays degrees awarded to members of the HEW minority categories.

Tables generated April 2, 1980 are attached as Appendix B. All data in Tables 1 to 4 are taken from these tables.

Table 3
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

COMPARISON OF PERSISTENCE-ATTRITION PERCENTAGES
ENTERING CLASS OF 1977
(One Year Return Rate for First Time Freshmen and Transfer Students)

	<u>Graduated</u>	<u>Still Enrolled</u>		<u>Not Enrolled</u>	<u>Total</u>
		<u>Good Standing</u>	<u>Academic Diff.</u>		
All Groups	4.6	68.8	5.9	20.7	100.0
American Indian	4.0	56.0	12.0	28.0	100.0
Asian American	4.7	64.0	5.8	25.6	100.0
Black	1.1	50.1	20.3	28.5	100.0
Chicano	7.4	44.4	0.0	48.1	100.0
Hispanic	9.3	58.1	11.6	20.9	100.0
White	4.8	70.2	4.9	20.0*	100.0

Table 3a
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
ENTERING CLASS OF 1977

	Graduated	Still Enrolled Good Standing	Academic Diff.	Not Enrolled	Total
<u>All Groups</u>					
First Time Freshmen	3	5,229	471	1,368	7,071
Mich. Comm. College					
Transfers	193	513	42	188	936
Other Transfers	<u>270</u>	<u>1,209</u>	<u>84</u>	<u>538</u>	<u>2,101</u>
Total	466	6,951	597	2,094	10,108
Percent	4.6%	68.8%	5.9%	20.7%	100.0%
<u>American Indian</u>					
First Time Freshmen	0	14	1	3	18
Mich. Comm. College					
Transfers	0	0	1	2	3
Other Transfers	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>4</u>
Total	1	14	3	7	25
Percent	4.0%	56.0%	12.0%	28.0%	100.0%
<u>Asian American</u>					
First Time Freshmen	0	41	5	6	52
Mich. Comm. College					
Transfers	0	1	0	3	4
Other Transfers	<u>4</u>	<u>13</u>	<u>0</u>	<u>13</u>	<u>30</u>
Total	4	55	5	22	86
Percent	4.7%	64.0%	5.8%	25.6%	100.0%
<u>Black</u>					
First Time Freshmen	0	271	122	152	545
Mich. Comm. College					
Transfers	1	12	3	9	25
Other Transfers	<u>6</u>	<u>32</u>	<u>3</u>	<u>18</u>	<u>59</u>
Total	7	315	128	179	629
Percent	1.1%	50.1%	20.3%	28.5%	100.0%
<u>Chicano</u>					
First Time Freshmen	0	5	0	6	11
Mich. Comm. College					
Transfers	0	3	0	3	6
Other Transfers	<u>2</u>	<u>4</u>	<u>0</u>	<u>4</u>	<u>10</u>
Total	2	12	0	13	27
Percent	7.4%	44.4%	0.0%	48.1%	100.0%
<u>Hispanic</u>					
First Time Freshmen	0	20	4	6	30
Mich. Comm. College					
Transfers	0	0	0	0	0
Other Transfers	<u>4</u>	<u>5</u>	<u>1</u>	<u>3</u>	<u>13</u>
Total	4	25	5	9	43
Percent	9.3%	68.1%	11.6%	20.8%	100.0%
<u>White</u>					
First Time Freshmen	3	4,878	339	1,195	6,415
Mich. Comm. College					
Transfers	192	497	38	171	898
Other Transfers	<u>253</u>	<u>1,155</u>	<u>79</u>	<u>498</u>	<u>1,985</u>
Total	448	6,530	456	1,864	9,298
Percent	4.8%	70.2%	4.9%	20.0%	100.0%

Table 3b
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

PERCENTAGE OF FIRST TIME FRESHMEN ENTERING FALL, 1977

WHO RE-ENROLLED IN ACADEMIC YEAR 1978-79
(One Year Return Rate)

All	81%
American Indian	83%
Asian American	88%
Black	71%
Chicano	45%
Hispanic	80%
White-Other	81%

Table 4
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
ATTRITION OF FIRST TIME FRESHMEN,
MICHIGAN COMMUNITY COLLEGE UNDERGRADUATES,
AND OTHER TRANSFERS
FOR ENTERING CLASSES OF 1973, 1975, 1977
Percent Not Enrolled as of End of Summer 1979

	Entering Class		
	1973	1975	1977
<u>All Groups</u>			
First Time Freshmen	34.9	32.2	19.3
Michigan Community College			
Transfers	24.0	23.4	20.0
Other Transfers	34.8	31.5	25.6
<u>American Indian</u>			
First Time Freshmen	53.8	47.6	16.7
Michigan Community College			
Transfers	0.0	0.0	66.7
Other Transfers	14.3	75.0	50.0
<u>Asian American</u>			
First Time Freshmen	45.9	41.0	11.5
Michigan Community College			
Transfers	0.0	33.3	75.0
Other Transfers	38.4	33.3	43.3
<u>Black</u>			
First Time Freshmen	41.9	41.3	27.9
Michigan Community College			
Transfers	36.0	45.8	36.0
Other Transfers	40.9	48.0	30.5
<u>Chicano</u>			
First Time Freshmen	57.9	57.1	54.5
Michigan Community College			
Transfers	57.1	0.0	50.0
Other Transfers	58.3	50.0	40.0
<u>Hispanic</u>			
First Time Freshmen	43.7	53.8	20.0
Michigan Community College			
Transfers	0.0	50.0	0.0
Other Transfers	20.0	50.0	25.0
<u>White</u>			
First Time Freshmen	34.3	31.4	18.6
Michigan Community College			
Transfers	23.5	22.8	19.0
Other Transfers	34.5	30.7	25.0

Source: Tables 1a, 2a, 3a:
1980 Persistence-Attrition
Report to Board.

Table 5

MICHIGAN STATE UNIVERSITY
Office of Institutional Research

COMPARISON OF ATTRITION RATES FOR
MICHIGAN STATE UNIVERSITY AND UNIVERSITY OF MICHIGAN
ENTERING FRESHMEN, FALL 1975
Not Enrolled End of Summer (MSU)
or Fall (U of M) 1979

	<u>Mich. State Univ.</u>	<u>Univ. of Mich.*</u>
All Groups	32.3%	31.4%
American Indian	47.6	70.0
Asian American	41.0	31.3
Black	41.0	30.6
Chicano	57.1	-
Hispanic	53.8 } 56.0	53.2
White	31.3	29.0

*Source: Minority Recruitment, Enrollment, Retention, and Graduation.
Univ. of Michigan,
Fall 1979, Table 8

Table 5a
MICHIGAN STATE UNIVERSITY
Office of Institutional Research

COMPARISON OF ATTRITION RATES FOR
MICHIGAN STATE UNIVERSITY AND PURDUE UNIVERSITY

ENTERING FRESHMEN, Fall 1974
*Not Enrolled End of Summer (MSU)
or Winter (Purdue) 1979*

	<u>Mich. State Univ.</u>	<u>Purdue</u>
All Groups	34.2%	40.0%
American Indian	35.3	-
Asian American	22.2	3.0
Black	46.9	54.0
Chicano	63.4)	-
Hispanic	43.8) 55.7	62.0
White	33.3	34.0

Source: Registrar,
Purdue University

OIR/WR/12May80

Table 5b

MICHIGAN STATE UNIVERSITY
Office of Institutional Research
COMPARISON OF ATTRITION RATES FOR
MICHIGAN STATE UNIVERSITY AND
THE UNIVERSITY OF WISCONSIN SYSTEM

ENTERING FRESHMEN, FALL 1973
*Not Enrolled End of Summer (MSU) 1979,
Fall 1978 (U. of Wis.)*

	<u>MSU</u>	<u>Univ. of Wis.</u>
All Minority Groups	43.3%	73.4%

OIR/WR/13May80

Table 6

MICHIGAN STATE UNIVERSITY
Office of Institutional Research
COMPARISON OF ONE YEAR ATTRITION RATES
FOR MICHIGAN STATE UNIVERSITY AND
UNIVERSITY OF MISSOURI (COLUMBIA)

	<u>Mich. State Univ.</u>	<u>Univ. of Missouri*</u>
Black	28.5	30.0
White	20.0	24.0

*Source: University of
Missouri Admissions Office
May 8, 1980

Table 7
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
FALL-SPRING MINORITY STUDENT ENROLLMENT
EAST LANSING CAMPUS

	<u>Fall 1978*</u>	<u>Spring 1979*</u>	<u>Fall 1979**</u>	<u>Spring 1980***</u>
American Indian	115	112	115	105
Black	2252	1970	2345	2136
Chicano	181	163	174	158
Hispanic	143	137	186	164
Asian American	<u>292</u>	<u>277</u>	<u>345</u>	<u>318</u>
Total Minority	2983	2659	3165	2881
Fall to Spring Change		-10.8%		- 8.9%
Total On-Campus Enrollment	43,744	39,869	44,756	40,872
Fall to Spring Change		- 8.8%		- 8.6%

Source: *LHP/OIR/14June1979
 **LHP/Nov1979
 ***LHP/29Apr80

OIR/WR/30Apr80

Table 8

MICHIGAN STATE UNIVERSITY
Office of Institutional Research
Minority Student Enrollment Data
East Lansing Campus
Fall Terms

	Total Students	% of Campus	Women	UNDERGRADUATE								GRADUATE				New Mast.	New Dr.	New G.P.
				Fresh.	Soph.	Jr.	Sr.	Spec.	TOTAL	FT	XFER	Grad. Prof.	Mast.	Dr.	TOTAL			
FALL 1976																		
American Indian	106	.24	50	18	16	25	18	3	80	12	5	11	9	6	26	2	-	4
Black	2451	5.60	1422	728	446	427	385	42	2028	475	73	78	194	151	423	47	13	11
Hispanic	307	.70	127	54	45	42	42	4	187	40	14	37	46	37	120	9	6	7
Chicano	190	.43	78	40	31	33	25	1	130	28	7	26	20	14	60	4	2	4
Other Hispanic	117	.27	49	14	14	9	17	3	57	12	7	11	26	23	60	5	4	3
Asian American	286	.65	127	43	36	44	47	10	180	32	11	12	41	53	106	11	5	-
MINORITY TOTAL	3150	7.20	1726	843	543	538	492	59	2475	559	103	138	290	247	675	69	24	22
Foreign	1212	2.77	266	18	27	43	36	122	246	7	29	6	534	426	966	151	79	2
No Response	798	1.82																
Other	443	1.01																
White	38146	87.20																
TOTAL ON-CAMPUS	43749	100.00	20329	8949	7928	9148	8486	839	35350	6930	2777	1036	4772	2591	8399	1100	383	104
FALL 1977																		
American Indian	125	.28	61	22	21	28	23	4	98	18	7	16	4	7	27	-	-	2
Black	2436	5.51	1484	782	427	424	364	30	2027	543	87	79	179	151	409	46	17	5
Hispanic	335	.76	135	52	45	62	50	-	209	33	29	39	48	39	126	13	3	4
Chicano	200	.45	76	25	27	42	36	-	130	11	16	28	25	17	70	7	1	3
Other Hispanic	135	.31	59	27	18	20	14	-	79	22	13	11	23	22	58	6	1	-
Asian American	310	.70	139	57	37	45	53	8	200	46	18	19	48	43	110	10	3	-
MINORITY TOTAL	3206	7.25	1819	913	530	559	490	42	2534	640	141	153	279	240	672	69	23	11
Foreign	1293	2.92	300	50	23	61	44	98	276	29	57	5	529	483	1017	133	69	-
No Response	634	1.43																
Other	312	.71																
White	38766	87.69																
TOTAL ON-CAMPUS	44211	100.00	20865	9249	7866	9326	8778	661	35880	7368	3056	1065	4627	2639	8331	1139	305	103
FALL 1978																		
American Indian	115	.26	58	25	13	29	18	1	86	14	7	9	11	9	29	2	-	-
Black	2252	5.15	1362	723	417	371	341	22	1874	404	51	91	189	98	378	45	11	10
Hispanic	324	.74	138	61	38	67	49	2	217	45	18	37	42	28	107	11	4	7
Chicano	181	.41	73	35	18	43	32	1	129	27	9	26	15	11	52	2	-	5
Other Hispanic	143	.33	65	26	20	24	17	1	88	18	9	11	27	17	55	9	4	2
Asian American	292	.67	130	60	48	47	43	4	202	38	21	16	33	41	90	9	7	-
MINORITY TOTAL	2983	6.82	1688	869	516	514	451	29	2379	501	97	153	275	176	604	67	22	17
Foreign	1291	2.95	293	63	20	51	46	88	268	24	40	4	522	497	1023	119	53	-
No Response	583	1.33							260						323			
Other	246	.56							193						53			
White	38641	88.34							32543						6096			
TOTAL ON-Campus	43744	100.00	20768	9725	7767	9146	8427	580	35645	7357	2803	1094	4544	2461	8099	1035	272	84

LHP/Nov1979

Table 8, continued

MICHIGAN STATE UNIVERSITY
Office of Institutional Research
Minority Student Enrollment Data
East Lansing Campus
Fall Terms

	Total Students	% of Campus	Women	Fresh.	Soph.	UNDERGRADUATE			TOTAL	FTF	XPER	GRADUATE			TOTAL	New Mast.	New Dr.	New G.P.
						Jr.	Sr.	Spec.				Grad. Prof.	Mast.	Dr.				
FALL 1979																		
American Indian	115	.26	60	27	15	18	23	-	83	17	9	10	14	8	32	4	1	-
Black	2345	5.24	1408	792	474	380	316	18	1980	320	73	85	169	111	365	49	20	10
Hispanic	360	.80	170	84	41	47	46	4	222	53	16	43	50	45	138	15	12	6
Chicano	174	.39	78	48	15	20	24	1	108	31	5	30	18	18	68	5	3	8
Other Hispanic	186	.41	94	36	26	27	22	3	114	22	11	13	32	27	70	10	9	-
Asian American	345	.77	159	74	45	60	45	4	228	49	24	20	54	43	117	25	2	1
MINORITY TOTAL	3165	7.07	1797	977	575	505	430	26	2513	639	122	158	287	207	652	93	35	17
Foreign	1347	3.01	1291	60	49	49	53	84	295	28	51	3	536	513	1052	168	62	-
No Response	526	1.18		67	35	56	42	37	237			14	229	46	289			
Other	223	.50		43	26	35	58	4	166			12	36	19	57			
White	39495	88.24		9078	7741	8226	7722	394	33161			1047	3610	1677	6334			
TOTAL ON-CAMPUS	44756	100.00	21554	10225	8426	8871	8305	545	36372	7484	2597	1234	4688	2462	8384	1299	316	183
FALL 1980																		
American Indian																		
Black																		
Hispanic																		
Chicano																		
Other Hispanic																		
Asian American																		
MINORITY TOTAL																		
Foreign																		
No Response																		
Other																		
White																		
TOTAL ON-CAMPUS																		
FALL 1981																		
American Indian																		
Black																		
Hispanic																		
Chicano																		
Other Hispanic																		
Asian American																		
MINORITY TOTAL																		
Foreign																		
No Response																		
Other																		
White																		
TOTAL ON-CAMPUS																		

LHP/Nov1979

Table 8b
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
CHANGES IN ENROLLMENT BY MINORITY GROUP
Fall 1979

Minority Group	Fall 1976		Fall 1977		Increase/Decrease from Fall 1976	Fall 1978		Increase/Decrease from Fall 1977	Fall 1979		Increase/Decrease from Fall 1978
	Total N	%	Total N	%		Total N	%		Total N	%	
American Indian	106	.24	125	.28	19	115	.26	(10)	115	.25	0
Black	2451	5.60	2436	5.51	(15)	2252	5.15	(184)	2345	5.23	93
Chicano**	190	.44	200	.45	10	181	.41	(19)	174	.40	(7)
Asian American	286	.65	310	.70	24	292	.67	(18)	345	.70	53
Hispanic	117	.27	135	.31	18	143	.33	8	186	.4	43
Total	3150	7.20*	3206	7.25	56	2983	6.82	(223)	3165	7.07	182

* The enrollment bases on which these calculations were made are 43,749 for 1976, 44,211 for 1977, 43,744 for 1978, and 44,756 for 1979.

** The Chicano category is a sub-group of Hispanic that is of interest at Michigan State University. Chicano and Hispanic are combined on Federal reports and are reported under Hispanic.

GIR/WR/1May80

Table 9

MICHIGAN STATE UNIVERSITY
Office of Institutional Research

MINORITY DEGREES
AMERICAN INDIAN

	<u>Bachelor</u>	<u>Master</u>	<u>ED SP</u> <u>DAG</u>	<u>Doctoral</u>	<u>Grad.</u> <u>Prof.</u>	<u>Total</u>	<u>MSU</u> <u>Total</u> <u>Degrees</u>	<u>Percentage</u> <u>Minority</u> <u>Degrees</u>
1975-76	23	2	-	1	-	26	10,811	.24
1976-77	21	6	-	-	1	28	10,537	.26
1977-78	22	4	-	2	1	29	10,242	.28
1978-79	13	5	-	1	6	25	9,847	.3
1979-80	18	6	-	-	2	26	10,425	.2

LHP/13Feb1979
Revised OIR/WR/9May80

Table 9

MICHIGAN STATE UNIVERSITY
Office of Institutional Research

MINORITY DEGREES
ASIAN AMERICAN

	<u>Bachelor</u>	<u>Master</u>	<u>ED SP DAG</u>	<u>Doctoral</u>	<u>Grad. Prof.</u>	<u>Total</u>	<u>MSU Total Degrees</u>	<u>Percentage Minority Degrees</u>
1975-76	46	27	-	10	1	84	10,811	.77698
1976-77	36	20	-	12	3	71	10,537	.67381
1977-78	46	98	2	33	6	185	10,242	1.8
1978-79	38	83	1	36	6	164	9,847	1.7
1979-80	40	99	-	33	8	183	10,425	1.8

LHP/13Feb1979
Revised OIR/WR/9May80

Table 9

MICHIGAN STATE UNIVERSITY
Office of Institutional Research

MINORITY DEGREES
BLACK

	<u>Bachelor</u>	<u>Master</u>	<u>ED SP DAG</u>	<u>Doctoral</u>	<u>Grad. Prof.</u>	<u>Total</u>	<u>MSU Total Degrees</u>	<u>Percentage Minority Degrees</u>
1975-76	397	118	5	49	18	587	10,811	5.4
1976-77	350	121	1	27	10	509	10,537	4.8
1977-78	320	110	3	24	13	470	10,242	4.6
1978-79	271	109	1	25	21	427	9,847	4.3
1979-80	313	123	6	24	25	491	10,425	4.7

LHP/13Feb1979
Revised OIR/WR/9May80

Table 9

MICHIGAN STATE UNIVERSITY
Office of Institutional Research

MINORITY DEGREES
CHICANO

	<u>Bachelor</u>	<u>Master</u>	<u>ED SP DAG</u>	<u>Doctoral</u>	<u>Grad. Prof.</u>	<u>Total</u>	<u>MSU Total Degrees</u>	<u>Percentage Minority Degrees</u>
1975-76	27	17	-	9	1	54	10,811	.49
1976-77	26	11	-	4	4	45	10,537	.43
1977-78	24	14	-	5	6	49	10,242	.47
1978-79	31	10	-	3	8	52	9,847	.5
1979-80	26	13	1	2	7	49	10,425	.47

LHP/13Feb1979
Revised OIR/WR/9May80

Table 9

MICHIGAN STATE UNIVERSITY
Office of Institutional Research

MINORITY DEGREES
HISPANIC

	<u>Bachelor</u>	<u>Master</u>	<u>ED SP</u> <u>DAG</u>	<u>Doctoral</u>	<u>Grad.</u> <u>Prof.</u>	<u>Total</u>	<u>MSU</u> <u>Total</u> <u>Degrees</u>	<u>Percentage</u> <u>Minority</u> <u>Degrees</u>
1976-77	22	21	-	12	2	57	10,537	.54
1977-78	10	28	1	11	3	53	10,242	.52
1978-79	11	25	1	8	1	46	9,847	.5
1979-80	17	32	-	10	3	62	10,425	.6

LHP/13Feb1979
Revised OIR/WR/9May80

APPENDIX A

ACADEMIC PERSISTENCE/ATTRITION SYSTEM

The OIR persistence/attrition system (T-17) was created using student master tapes from fall of 1969 through summer of 1979. Freshmen and transfer students who entered MSU during a fall term between 1969 and 1978 were selected. These records were matched against application files to supply additional information such as high school GPA's, recruitment codes, and admission codes. These data comprise the initial master file of 98,707 records. The file update is designed to maintain the ten-year history, dropping the most distant year at each annual update.

For each fall cohort, the OIR persistence/attrition system has the capacity to identify students according to the standard HEW ethnic minority codes (for MSU purposes, Chicanos and other Hispanic students are reported separately) and to report their status as of the end of the most recent summer term. The system also allows identification of students according to any of the following characteristics: sex, marital status, athlete code, veteran, Honors College, National Merit Scholar. For fall cohorts of 1977 and later, it is also possible to identify Developmental Program for Admissions (DPA) students.

The system consists of seven PL programs, which function in three areas: 1) master file creation; 2) master file update; 3) report generation. Updates are regularly scheduled for each fall term. Reports may be generated at any time during the year.

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

ALL GROUPS COMBINED

Table 1
First Time Freshmen

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	4150	61.3	227	3.4	31	.5	2365	34.9	6773	100.0
1974	3818	55.1	696	10.0	44	.6	2370	34.2	6928	100.0
1975	1857	26.2	2820	39.8	121	1.7	2282	32.2	7080	100.0
1976	30	.5	4499	68.0	192	2.9	1899	28.7	6620	100.0
1977	3	0.0	5229	73.9	471	6.7	1368	19.3	7071	100.0
1978	3	0.0	5909	83.2	915	12.9	277	3.9	7104	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	684	75.7	2	.2	0	0.0	217	24.0	903	100.0
1974	690	76.2	14	1.5	1	.1	201	22.2	906	100.0
1975	625	71.8	37	4.2	5	.6	204	23.4	871	100.0
1976	613	62.1	131	13.3	11	1.1	232	23.5	987	100.0
1977	193	20.6	513	54.8	42	4.5	188	20.1	936	100.0
1978	0	0.0	646	82.5	99	12.6	38	4.9	783	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	1322	63.4	34	1.6	4	.2	726	34.8	2086	100.0
1974	1236	63.0	55	2.8	9	.5	661	33.7	1961	100.0
1975	1039	61.6	102	6.0	15	.9	532	31.5	1688	100.0
1976	694	39.3	435	24.6	25	1.4	613	34.7	1767	100.0
1977	270	12.9	1209	57.5	84	4.0	538	25.6	2101	100.0
1978	7	.4	1570	78.5	248	12.4	175	8.8	2000	100.0

OIR/WR/JB/May1980

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

AMERICAN INDIAN

Table 1
First Time Freshmen

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	4	30.8	1	7.7	1	7.7	7	53.8	13	100.0
1974	7	41.2	4	23.5	0	0.0	6	35.3	17	100.0
1975	1	4.8	10	47.6	0	0.0	10	47.6	21	100.0
1976	1	8.3	5	41.7	1	8.3	5	41.7	12	100.0
1977	0	0.0	14	77.8	1	5.6	3	16.7	18	100.0
1978	0	0.0	5	33.3	8	53.3	2	13.3	15	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
1974	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
1975	1	33.3	2	66.7	0	0.0	0	0.0	3	100.0
1976	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
1977	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0
1978	0	0.0	0	0.0	2	100.0	0	0.0	2	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	6	85.7	0	0.0	0	0.0	1	14.3	7	100.0
1974	4	66.7	0	0.0	0	0.0	2	33.3	6	100.0
1975	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0
1976	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0
1977	1	25.0	0	0.0	1	25.0	2	50.0	4	100.0
1978	0	0.0	4	80.0	0	0.0	1	20.0	5	100.0

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

ASIAN AMERICAN

Table 1
First Time Freshmen

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	16	43.2	2	5.4	2	5.4	17	45.9	37	100.0
1974	16	59.3	5	18.5	0	0.0	6	22.2	27	100.0
1975	9	26.5	10	29.4	1	2.9	14	41.2	34	100.0
1976	0	0.0	21	67.7	1	3.2	9	29.0	31	100.0
1977	0	0.0	41	78.8	5	9.6	6	11.5	52	100.0
1978	0	0.0	31	77.5	9	22.5	0	0.0	40	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
1974	3	75.0	0	0.0	0	0.0	1	25.0	4	100.0
1975	2	67.7	0	0.0	0	0.0	1	33.3	3	100.0
1976	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
1977	0	0.0	1	25.0	0	0.0	3	75.0	4	100.0
1978	0	0.0	4	80.0	1	20.0	0	0.0	5	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	8	61.5	0	0.0	0	0.0	5	38.5	13	100.0
1974	7	46.7	2	13.3	0	0.0	6	40.0	15	100.0
1975	9	60.0	1	6.7	0	0.0	5	33.3	15	100.0
1976	4	30.8	4	30.8	0	0.0	5	38.5	13	100.0
1977	4	13.3	13	43.3	0	0.0	13	43.3	30	100.0
1978	1	2.9	27	79.4	4	11.8	2	5.9	34	100.0

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

BLACK

Table 1
First Time Freshmen

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing		Academic Diff.		No.	%	No.	%
1973	192	51.9	16	4.3	4	1.9	155	41.9	370	100.0
1974	137	33.7	61	15.0	18	4.4	191	46.9	407	100.0
1975	45	10.2	180	40.6	35	7.9	183	41.3	443	100.0
1976	1	.2	260	54.7	38	8.0	176	37.1	475	100.0
1977	0	0.0	271	49.7	122	22.4	152	27.9	545	100.0
1978	0	0.0	236	58.7	154	38.3	12	3.0	402	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing		Academic Diff.		No.	%	No.	%
1973	16	64.0	0	0.0	0	0.0	9	36.0	25	100.0
1974	10	45.5	1	4.5	0	0.0	11	50.0	22	100.0
1975	10	41.7	2	8.3	1	4.2	11	45.8	24	100.0
1976	9	39.1	4	17.4	1	4.3	9	39.1	23	100.0
1977	1	4.0	12	48.0	3	12.0	9	36.0	25	100.0
1978	0	0.0	7	70.0	3	30.0	0	0.0	10	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing		Academic Diff.		No.	%	No.	%
1973	50	56.8	2	2.3	0	0.0	36	40.9	88	100.0
1974	47	62.7	2	2.7	1	1.3	25	33.3	75	100.0
1975	23	46.0	2	4.0	1	2.0	24	48.0	50	100.0
1976	10	22.2	14	31.1	2	4.4	19	42.2	45	100.0
1977	6	10.2	32	54.2	3	5.1	18	30.5	59	100.0
1978	0	0.0	22	57.9	12	31.6	4	10.5	38	100.0

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

CHICANO

Table 1
First Time Freshmen

Term Admitted	Graduated No. %		Still Enrolled				Not Enrolled No. %		Total No. %	
			Good Standing No. %		Academic Diff. No. %					
1973	8	42.1	0	0.0	0	0.0	11	57.9	19	100.0
1974	10	24.4	5	12.2	0	0.0	26	63.4	41	100.0
1975	4	14.3	8	28.6	0	0.0	16	57.1	28	100.0
1976	0	0.0	14	50.0	2	7.1	12	42.9	28	100.0
1977	0	0.0	5	45.5	0	0.0	6	54.5	11	100.0
1978	0	0.0	20	71.4	7	25.0	1	3.6	28	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated No. %		Still Enrolled				Not Enrolled No. %		Total No. %	
			Good Standing No. %		Academic Diff. No. %					
1973	3	42.9	0	0.0	0	0.0	4	57.1	7	100.0
1974	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
1975	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
1976	2	66.7	0	0.0	0	0.0	1	33.3	3	100.0
1977	0	0.0	3	50.0	0	0.0	3	50.0	6	100.0
1978	0	0.0	3	75.0	1	25.0	0	0.0	4	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated No. %		Still Enrolled				Not Enrolled No. %		Total No. %	
			Good Standing		Academic Diff.					
			No.	%	No.	%				
1973	5	41.7	0	0.0	0	0.0	7	58.3	12	100.0
1974	4	44.4	0	0.0	0	0.0	5	55.6	9	100.0
1975	5	50.0	0	0.0	0	0.0	5	50.0	10	100.0
1976	2	40.0	0	0.0	0	0.0	3	60.0	5	100.0
1977	2	20.0	4	40.0	0	0.0	4	40.0	10	100.0
1978	0	0.0	4	80.0	1	20.0	0	0.0	5	100.0

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

HISPANIC

Table 1
First Time Freshmen

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	8	50.0	0	0.0	1	6.3	7	43.8	16	100.0
1974	5	45.5	3	27.3	0	0.0	3	27.3	11	100.0
1975	1	7.7	5	38.5	0	0.0	7	53.8	13	100.0
1976	0	0.0	7	58.3	1	8.3	4	33.3	12	100.0
1977	0	0.0	20	66.7	4	13.3	6	20.0	30	100.0
1978	0	0.0	12	57.1	6	28.6	3	14.3	21	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
1974	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
1975	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0
1976	1	33.3	0	0.0	0	0.0	2	66.7	3	100.0
1977	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1978	0	0.0	2	100.0	0	0.0	0	0.0	2	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	6	60.0	2	20.0	0	0.0	2	20.0	10	100.0
1974	6	85.7	0	0.0	0	0.0	1	14.3	7	100.0
1975	3	50.0	0	0.0	0	0.0	3	50.0	6	100.0
1976	1	25.0	1	25.0	0	0.0	2	50.0	4	100.0
1977	4	30.8	5	38.5	1	7.7	3	23.1	13	100.0
1978	0	0.0	5	62.5	3	37.5	0	0.0	8	100.0

APPENDIX B
MICHIGAN STATE UNIVERSITY
Office of Institutional Research
PERSISTENCE-ATTRITION STUDY
(T-17, 4/2/80)

WHITE - OTHER

Table 1
First Time Freshmen

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	3922	62.1	208	3.3	20	.3	2168	34.5	6318	100.0
1974	3643	56.7	618	9.6	26	.4	2138	33.3	6425	100.0
1975	1797	27.5	2607	39.9	85	1.3	2052	31.4	6541	100.0
1976	28	.5	4192	69.2	149	2.5	1693	27.9	6062	100.0
1977	3	.1	4878	76.0	339	5.3	1195	18.6	6415	100.0
1978	3	.1	5605	84.9	731	11.1	259	3.9	6598	100.0

Table 2
Transfers-Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	659	76.2	2	.2	0	0.0	204	23.6	865	100.0
1974	671	76.8	13	1.5	1	.1	189	21.6	874	100.0
1975	610	72.9	32	3.8	4	.5	191	22.8	837	100.0
1976	600	62.8	127	13.3	10	1.0	219	22.9	956	100.0
1977	192	21.4	497	55.3	38	4.2	171	19.0	898	100.0
1978	0	0.0	630	82.9	92	12.1	38	5.0	760	100.0

Table 3
Transfers-Other Than Michigan Community Colleges

Term Admitted	Graduated		Still Enrolled				Not Enrolled		Total	
	No.	%	Good Standing No.	%	Academic Diff. No.	%	No.	%	No.	%
1973	1247	63.8	30	1.5	4	.2	675	34.5	1956	100.0
1974	1168	63.2	51	2.8	8	.4	622	33.6	1849	100.0
1975	998	62.3	99	6.2	14	.9	492	30.7	1603	100.0
1976	676	39.9	416	24.5	23	1.4	581	34.3	1696	100.0
1977	253	12.7	1155	58.2	79	4.0	498	25.1	1985	100.0
1978	6	.3	1508	79.0	228	11.9	168	8.8	1910	100.0